**Module 3 (Testing on Live Application)**

• What is RDBMS?

Ans- RDBMS is store data in the form of tables (rows and columns), with most commercial relational database management systems using Structured Query Language (SQL) to access the database.

• What is SQL?

Ans-Structured Query Language is a domain-specific language used in programming and designed for managing data held in a relational database management system (RDBMS).

• Write SQL Commands?

Ans-

1) DDL: Data Definition Lang.: create table, create database, use, truncate etc.

2) DML: Data Manipulation Lang.: insert, update, delete

3) DQL: Data Query Lang.: select

4) DCL/TCL: Data/Transactional Control Lang.: commit, rollback etc

• What is join?

Ans- A JOIN clause is used to combine rows from two or more tables, based on a related column between them.

• Write type of joins.?

Ans-

(INNER) JOIN: Returns records that have matching values in both tables

LEFT (OUTER) JOIN: Returns all records from the left table, and the matched records from the right table

RIGHT (OUTER) JOIN: Returns all records from the right table, and the matched records from the left table

FULL (OUTER) JOIN: Returns all records when there is a match in either left or right table

• How Many constraints and describes itself?

Ans-

primary key: unique + not null

foreign key: it depends on primary table

unique key: only unique value: blank allow

check: condition you should apply

not null: no to be blank

default: fixed value

index: when you searching some record at that time apply indexing

• Difference between RDBMS vs DBMS?

Ans-

|  |  |  |  |
| --- | --- | --- | --- |
| Key | DBMS | | RDBMS |
|  |  |  | |
| Definition | DBMS stands for Database Management System. | RDBMS stands for Relational Database Management System. | |
| Data Storage | Data is store in the file. | Data stored in the tables. | |
| Data Access | |  | | --- | | In DBMS, each data elements  are to be accessed individually. | | In RDBMS, multiple data elements can be accessed at same time. | |
| Relationship | |  | | --- | | There is no relationship  between data in DBMS. | | Data is present in multiple tables which can be related to each other. | |
| |  |  | | --- | --- | | **Distributed**  **database** |  | | |  |  |  |  | | --- | --- | --- | --- | | |  |  | | --- | --- | | DBMS has no support for  distributed databases. | RDBMS supports distributed databases. | |  | | RDBMS supports distributed databases. | |
| Data Quantity | DBMS deals with small  quantity of data. | RDBMS deals with large quantity of data. | |
| Data Redundancy | Data Redundancy can be reduced by using key and indexes in RDBMS. | Data Redundancy is common in DBMS. | |
| User | DBMS supports single user at a time. | RDBMS supports multiple users at a time. | |
| Security | DBMS provides low security during data manipulation. | RDBMS has multilayer security during data manipulation. | |
| Example | File systems, XML, etc. | Oracle, SQL Server. | |
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|  |  |  | |

**• What is API Testing?**

Ans- API means Application programming Interface is software interface that allows two applications to interact with each other without any user intervations.

• Types of API Testing?

Ans- there are three types of API testing-

1. Open APIs- These types of APIs are publicly available to use OAuth APIs from Google. It has also not given any restrictions to use them. So, they are also known as Public APIs.
2. Partner APIs: specific right or license to access this type of API because they are not available to public.
3. Internal APIs- Internal or private. These APIs are developed by companies to use in their internal systems. It helps you to enhance to the productivity of your teams.

• What is Responsive Testing?

Ans- A responsive Testing of web design involves creating a flexible web page that accessible from any device, starting from a mobile phone to a tablet.

• Which types of tools are available for Responsive Testing?

Ans-

* LT Browser
* Lembda Testing
* Google Resizer
* I am responsive
* Pixel tuner

• What is the full form of .ipa, .apk?

Ans-

.ipa- iOS App Store Package Application

.apk- Android Package Application

• How to create step for to open the developer option mode ON?

Ans-

1. Enter setting> system management >About phone;
2. Click seven times at Software version;
3. Developer options will in settings>More settings
4. Enable Developer option
5. Use debugging
6. Click on ok allow USB debugging